# EAST Search History

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| L1 | 1 | (bound$3 and box$3 and input$3 and imag$3 and (compar$4 or match$3) and similar$4 and cod$3 and pointer and reference and sufficient$5).CLM. | US-PGPUB | AND | ON | 2007/08/30 13:33 |

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| L1 | 1 | (bound$3 and box$3 and input$3 and imag$3 and (compar$4 or match$3) and similar$4 and cod$3 and pointer and reference and sufficient$5).CLM. | US-PGPUB | AND | ON | 2007/08/30 13:37 |
| L2 | 5009 | (382/174,177,192,194, 195,203,205,218,234,243, 257).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/30 13:40 |
| L3 | 232 | 2 and bound$4 near3 box$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:42 |
| L4 | 45 | 3 and imag$3 near3 typ$3 and color$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:43 |

| L5 | 43 | 4 and compar$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:48 |
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| L6 | 30 | 5 and record$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:42 |
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| L8 | 182 | input$3 near4 bound$4 near3 box$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:45 |

| L9 | 28 | 8 and imag$3 near3 typ$3 and color$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:43 |
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| L12 | 3 | 11 and color$3 near4 uniform$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:49 |

| L13 | 29 | 8 and compar$5 near4 object$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:45 |
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| L15 | 3 | 14 and reference near4 bound$4 near3 box$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:48 |
| L16 | 88 | 8 and threshold$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:47 |

| L17 | 24 | 16 and copy$4 and imag$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:47 |
|-----|-----|-----|-----|-----|-----|-----|
| L18 | 22 | 17 and graphic$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:47 |
| L19 | 21 | 18 and (compar$5 or match$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:48 |
| L20 | 10 | 19 and reference near4 imag$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 13:48 |

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<u>Computer Graphics and Applications, 2004. PG 2004. Proceedings. 12th Pacif</u>
6-8 Oct. 2004 Page(s):43 - 50
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Rupp, W.E.;
<u>Professional Communication Conference, 1989. IPCC '89. 'Communicating to :</u>
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Ishikawa, N.; Yamashita, H.; Goda, S.; Hide, I.; Yoshida, T.; Iwai, K.; Sagara, N
Komiyama, M.; Nishi, H.; Harada, T.;
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## Inventor Name Search Result

Your Search was:

Last Name = FAN
First Name = ZHIGANG

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|---|---|---|---|---|---|
| 07419517 | 5027078 | 150 | 10/10/1989 | UNSCREENING OF STORED DIGITAL HALFTONE IMAGES BY LOGIC FILTERING | FAN, ZHIGANG |
| 07775201 | 5226096 | 150 | 10/11/1991 | DIGITAL HALFTONING WITH SELECTIVELY APPLIED DOT-TO-DOT ERROR DIFFUSION | FAN, ZHIGANG |
| 07815219 | 5339170 | 250 | 12/31/1991 | IMAGE PROCESSING SYSTEM AND METHOD EMPLOYING HYBRID FILTERING TO PROVIDE IMPROVED RECONSTRUCTION OF CONTINUOUS TONE IMAGES FROM HALFTONE SCREEN-STRUCTURED IMAGES | FAN, ZHIGANG |
| 07857557 | 5243444 | 150 | 03/25/1992 | IMAGE PROCESSING SYSTEM AND METHOD WITH IMPROVED RECONSTRUCTION OF CONTINUOUS TONE IMAGES FROM HALFTONE IMAGES INCLUDING THOSE WITHOUT A SCREEN STRUCTURE | FAN, ZHIGANG |
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| 08068109 | Not Issued | 166 | 05/28/1993 | SEGMENTATION BASED JPEG IMAGE ARTIFACTS REDUCTION | FAN, ZHIGANG |
| 08093546 | 5359676 | 150 | 07/19/1993 | DECOMPRESSION OF STANDARD ADCT-COMPRESSED DOCUMENT IMAGES | FAN, ZHIGANG |
| 08101097 | 5526020 | 150 | 08/03/1993 | IMAGE EDITING SYSTEM AND METHOD HAVING | FAN, ZHIGANG |

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|---|---|---|---|---|---|
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| 08167758 | 5353127 | 150 | 12/15/1993 | METHOD FOR QUANTIZATION GRAY LEVEL PIXEL DATA WITH EXTENDED DISTRIBUTION SET | FAN, ZHIGANG |
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| 08369440 | 5668891 | 150 | 01/06/1995 | METHODS FOR DETERMINING FONT ATTRIBUTES OF CHARACTERS | FAN, ZHIGANG |
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| 08653981 | 5859931 | 150 | 05/28/1996 | IMAGE COMPRESSION AND DECOMPRESSION USING PREDICTIVE CODING AND ERROR DIFFUSION | FAN, ZHIGANG |
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| 08708014 | 5799112 | 150 | 08/30/1996 | METHOD AND APPARATUS FOR WAVELET-BASED UNIVERSAL HALFTONE IMAGE UNSCREENING | FAN, ZHIGANG |
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| 08969491 | 6067374 | 150 | 11/13/1997 | SEAL DETECTION SYSTEM AND METHOD | FAN, ZHIGANG |
| 08972203 | 6026186 | 150 | 11/17/1997 | LINE AND CURVE DETECTION USING LOCAL INFORMATION | FAN, ZHIGANG |
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| 09203870 | 6400844 | 150 | 12/02/1998 | METHOD AND APPARATUS FOR SEGMENTING DATA TO CREATE MIXED RASTER CONTENT PLANES | FAN, ZHIGANG |
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| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|---|---|---|---|---|---|
| 11317768 | Not Issued | 25 | 12/23/2005 | Counterfeit prevention using miniature security marks | FAN, ZHIGANG |
| 11343668 | Not Issued | 30 | 01/31/2006 | System and method to automatically establish preferred area for image-wise watermark | FAN, ZHIGANG |
| 11402531 | Not Issued | 30 | 04/12/2006 | System for processing and classifying image data using halftone noise energy distribution | FAN, ZHIGANG |
| 11402602 | Not Issued | 30 | 04/12/2006 | Decompression with reduced ringing artifacts | FAN, ZHIGANG |
| 11412624 | Not Issued | 25 | 04/27/2006 | Tools to embed tampering indicator into digital visual works | FAN, ZHIGANG |
| 11415625 | Not Issued | 25 | 05/02/2006 | Method for image segmentation based on block clustering for improved processing of touching characters | FAN, ZHIGANG |
| 11431978 | Not Issued | 25 | 05/11/2006 | Effective coding of page boundary for MRC/MECCA segmentation | FAN, ZHIGANG |
| 11443830 | Not Issued | 30 | 05/31/2006 | Removing ringing and blocking artifacts from JPEG compressed document images | FAN, ZHIGANG |
| 11472695 | Not Issued | 25 | 06/22/2006 | Hierarchical miniature security marks | FAN, ZHIGANG |
| 11472698 | Not Issued | 30 | 06/22/2006 | System and method for editing image data | FAN, ZHIGANG |
| 11502808 | Not Issued | 30 | 08/11/2006 | System and method for detection of miniature security marks | FAN, ZHIGANG |
| 11502987 | Not Issued | 30 | 08/11/2006 | System and method for embedding miniature security marks | FAN, ZHIGANG |
| 11582813 | Not Issued | 41 | 10/18/2006 | Security marks simulating natural defects for embedding information in documents | FAN, ZHIGANG |

| 11636747 | Not Issued | 25 | 12/11/2006 | Method and system for identifying optimal media for calibration and control | FAN, ZHIGANG |
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| 11636841 | Not Issued | 25 | 12/11/2006 | Optimal test patch selection for multi-media printing systems using low rank approximation | FAN, ZHIGANG |
| 11656663 | Not Issued | 25 | 01/23/2007 | System and method for embedding dispersed miniature security marks | FAN, ZHIGANG |
| 11656667 | Not Issued | 25 | 01/23/2007 | Counterfeit deterrence using dispersed miniature security marks | FAN, ZHIGANG |
| 11711110 | Not Issued | 30 | 02/27/2007 | Light compression for color images using error diffusion | FAN, ZHIGANG |
| 11751665 | Not Issued | 17 | 05/22/2007 | EMBEDDING INFORMATION IN DOCUMENT BLANK SPACE | FAN, ZHIGANG |
| 11756375 | Not Issued | 17 | 05/31/2007 | VARIABLE DATA PERIODIC LINE PATTERNS FOR COMPOSING A FONT SYSTEM | FAN, ZHIGANG |
| 11756390 | Not Issued | 17 | 05/31/2007 | FONT PRINTING SYSTEM HAVING EMBEDDED SECURITY INFORMATION COMPRISING VARIABLE DATA PERIODIC LINE PATTERNS | FAN, ZHIGANG |
| 11789091 | Not Issued | 20 | 04/23/2007 | Image output color management system and method | FAN, ZHIGANG |
| 11801958 | Not Issued | 17 | 05/11/2007 | Punched hole detection and removal | FAN, ZHIGANG |
| 11890888 | Not Issued | 17 | 08/08/2007 | Image output color management system and method | FAN, ZHIGANG |
| 60690708 | Not Issued | 159 | 06/15/2005 | System and method for dynamically generated uniform color objects | FAN, ZHIGANG |
| 60922607 | Not Issued | 20 | 04/10/2007 | Image output color management system and method | FAN, ZHIGANG |
| 08151800 | Not Issued | 161 | 11/15/1993 | METHOD OF ANNEALING A CEMENTED CARBIDE MICRODRILL | FANG, ZHIGANG |
| 08151801 | Not Issued | 161 | 11/15/1993 | MICRODRILL AND METHOD OF MANUFACTURE | FANG, ZHIGANG |
| 08314510 | 5609447 | 250 | 09/28/1994 | SURFACE DECARBURIZATION OF A | FANG, ZHIGANG |

| | | | | DRILL BIT | |
|---|---|---|---|---|---|
| 08314511 | 5628837 | 250 | 09/28/1994 | SURFACE DECARBURIZATION OF A DRILL BIT HAVING A REFINED PRIMARY CUTTING EDGE | FANG, ZHIGANG |
| 08514777 | Not Issued | 161 | 08/14/1995 | COMPOSITE MATRIX FOR DIAMOND DRAG BIT BODY | FANG, ZHIGANG |
| 08515304 | 5662183 | 150 | 08/15/1995 | HIGH STRENGTH MATRIX MATERIAL FOR PDC DRAG BITS | FANG, ZHIGANG |
| 08567545 | Not Issued | 166 | 12/05/1995 | PRESSURE MOLDED POWDER METAL MILLED TOOTH ROCK BIT CONE | FANG, ZHIGANG |
| 08576617 | 5589443 | 150 | 12/21/1995 | ROCK BIT GREASE COMPOSITION | FANG, ZHIGANG |
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| 08703452 | Not Issued | 161 | 08/27/1996 | SURFACE DECARBURIZATION OF A DRILL BIT | FANG, ZHIGANG |
| 08727001 | 5842700 | 150 | 10/08/1996 | COMPOSITE ROCK BIT SEAL | FANG, ZHIGANG |
| 08727275 | 5842701 | 150 | 10/08/1996 | DUAL FUNCTIONING SEAL FOR ROCK BITS | FANG, ZHIGANG |
| 08815745 | 5791422 | 150 | 03/12/1997 | ROCK BIT WITH HARDFACING MATERIAL INCORPORATING SPHERICAL CAST CARBIDE PARTICLES | FANG, ZHIGANG |
| 08815746 | 5921330 | 150 | 03/12/1997 | ROCK BIT WITH WEAR-AND FRACTURE-RESISTANT HARDFACING | FANG, ZHIGANG |
| 08824799 | Not Issued | 161 | 03/26/1997 | SURFACE DECARBURIZATION OF A DRILL | FANG, ZHIGANG |
| 08835135 | 6029759 | 150 | 04/04/1997 | HARDFACING ON STEEL TOOTH CUTTER ELEMENT | FANG, ZHIGANG |
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| 08903668 | 6063502 | 150 | 07/31/1997 | COMPOSITE CONSTRUCTION WITH ORIENTED MICROSTRUCTURE | FANG, ZHIGANG |
| 08904206 | 5880382 | 150 | 07/31/1997 | DOUBLE CEMENTED CARBIDE COMPOSITES | FANG, ZHIGANG |
| | | | | | |

| 08930000 | 5963775 | 150 | 09/15/1997 | PRESSURE MOLDED POWDER METAL MILLED TOOTH ROCK BIT CONE | FANG, ZHIGANG |
| 08943867 | 6406030 | 150 | 10/08/1997 | O-RING SEAL WITH LUBRICANT ADDTIVES FOR ROCK BIT BEARINGS | FANG, ZHIGANG |
| 08980917 | 6123337 | 150 | 12/01/1997 | COMPOSITE EARTH BORING BIT SEAL | FANG, ZHIGANG |
| 09090448 | 6170830 | 150 | 06/04/1998 | DUAL FUNCTIONING SEAL FOR ROCK BITS | FANG, ZHIGANG |
| 09090556 | 6179296 | 150 | 06/04/1998 | DUAL FUNCTIONING SEAL FOR ROCK BITS | FANG, ZHIGANG |

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| 11343668 | Not Issued | 30 | 01/31/2006 | System and method to automatically establish preferred area for image-wise watermark | FAN, ZHIGANG |
| 11402531 | Not Issued | 30 | 04/12/2006 | System for processing and classifying image data using halftone noise energy distribution | FAN, ZHIGANG |
| 11402602 | Not Issued | 30 | 04/12/2006 | Decompression with reduced ringing artifacts | FAN, ZHIGANG |
| 11412624 | Not Issued | 25 | 04/27/2006 | Tools to embed tampering indicator into digital visual works | FAN, ZHIGANG |
| 11415625 | Not Issued | 25 | 05/02/2006 | Method for image segmentation based on block clustering for improved processing of touching characters | FAN, ZHIGANG |
| 11431978 | Not Issued | 25 | 05/11/2006 | Effective coding of page boundary for MRC/MECCA segmentation | FAN, ZHIGANG |
| 11443830 | Not Issued | 30 | 05/31/2006 | Removing ringing and blocking artifacts from JPEG compressed document images | FAN, ZHIGANG |
| 11472695 | Not Issued | 25 | 06/22/2006 | Hierarchical minature security marks | FAN, ZHIGANG |
| 11472698 | Not Issued | 30 | 06/22/2006 | System and method for editing image data | FAN, ZHIGANG |
| 11502808 | Not Issued | 30 | 08/11/2006 | System and method for detection of miniature security marks | FAN, ZHIGANG |
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| 11582813 | Not Issued | 41 | 10/18/2006 | Security marks simulating natural defects for embedding information in documents | FAN, ZHIGANG |

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| 11656663 | Not Issued | 25 | 01/23/2007 | System and method for embedding dispersed miniature security marks | FAN, ZHIGANG |
| 11656667 | Not Issued | 25 | 01/23/2007 | Counterfeit deterrence using dispersed miniature security marks | FAN, ZHIGANG |
| 11711110 | Not Issued | 30 | 02/27/2007 | Light compression for color images using error diffusion | FAN, ZHIGANG |
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| 11789091 | Not Issued | 20 | 04/23/2007 | Image output color management system and method | FAN, ZHIGANG |
| 11801958 | Not Issued | 17 | 05/11/2007 | Punched hole detection and removal | FAN, ZHIGANG |
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| 60690708 | Not Issued | 159 | 06/15/2005 | System and method for dynamically generated uniform color objects | FAN, ZHIGANG |
| 60922607 | Not Issued | 20 | 04/10/2007 | Image output color management system and method | FAN, ZHIGANG |
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| 09090448 | 6170830 | 150 | 06/04/1998 | DUAL FUNCTIONING SEAL FOR ROCK BITS | FANG, ZHIGANG |
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Last Name = FAN
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| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
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| 09153130 | 6124564 | 150 | 09/15/1998 | HARDFACING COMPOSITIONS AND HARDFACING COATINGS FORMED BY PULSED PLASMA-TRANSFERRED ARC | FANG, ZHIGANG |
| 09153676 | 6392190 | 150 | 09/15/1998 | AUTOMATED HARDFACING SYSTEM | FANG, ZHIGANG |
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| 09236147 | 6244364 | 150 | 01/22/1999 | EARTH-BORING BIT HAVING COBALT/TUNGSTEN CARBIDE INSERTS | FANG, ZHIGANG |
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| 09974735 | 6698098 | 150 | 10/10/2001 | CONE EROSION PROTECTION FOR ROLLER CONE DRILL BITS | FANG, ZHIGANG |
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| 10774571 | 7210377 | 150 | 02/09/2004 | CONE EROSION PROTECTION FOR ROLLER CONE DRILL BITS | FANG, ZHIGANG |
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| 60815315 | Not Issued | 159 | 06/20/2006 | Methods for making refractory metal carbide nanocomposite powders | FANG, ZHIGANG ZAK |
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Last Name = NAGARAJAN
First Name = RAMESH

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
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| 08635315 | 5983278 | 150 | 04/19/1996 | LOW-LOSS, FAIR BANDWIDTH ALLOCATION FLOW CONTROL IN A PACKET SWITCH | NAGARAJAN, RAMESH |
| 08660635 | 5884174 | 150 | 06/07/1996 | CALL ADMISSION CONTROL FOR WIRELESS NETWORKS | NAGARAJAN, RAMESH |
| 08697469 | 5864538 | 150 | 08/26/1996 | FIRST-ORDER RATE-BASED FLOW CONTROL WITH ADAPTIVE QUENUE THRESHOLD FOR ATM NETWORKS | NAGARAJAN, RAMESH |
| 08886205 | 6198845 | 150 | 07/01/1997 | METHOD FOR DETERMINING DOCUMENT BACKGROUND FOR ADJUSTING THE DYNAMIC RANGE OF AN IMAGE OF THE DOCUMENT | NAGARAJAN, RAMESH |
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Last Name = NAGARAJAN
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| 10673383 | Not Issued | 41 | 09/26/2003 | Primary/restoration path calculation in mesh networks based on multiple-cost criteria | NAGARAJAN, RAMESH |
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| 10709810 | Not Issued | 41 | 05/28/2004 | SYSTEMS AND METHODS THAT ALTER ELECTRONIC DATA BASED ON AVAILABILITY OF TIME | NAGARAJAN, RAMESH |
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| 11098358 | Not Issued | 20 | 04/04/2005 | Automatic secure print notification | NAGARAJAN, RAMESH |
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| 11157916 | Not Issued | 25 | 06/22/2005 | Information dissemination multifunction device | NAGARAJAN, RAMESH |
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| 11263249 | Not Issued | 30 | 10/31/2005 | Dynamic range detection and adjustment | NAGARAJAN, RAMESH |
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## Inventor Name Search Result

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Last Name = NAGARAJAN
First Name = RAMESH

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
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Your Search was:

Last Name = BAI
First Name = YINGJUN

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
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